

Progress report

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Photometry

- Adapted the SNLS photometry pipeline
 - Flatfielding (no star flats, just the dome flats)
 - Background modeling + star detection
 - Aperture photometry
 - Astrometry

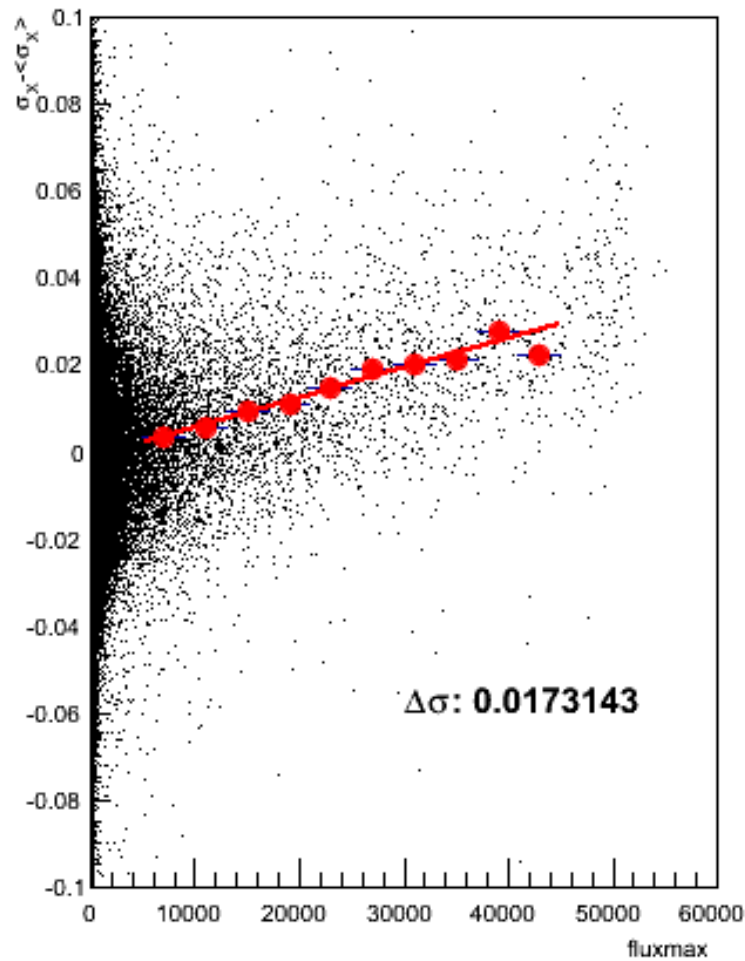
→ it works well
- 1 or 2 days away from having grizY star flats

Star shapes vs. flux

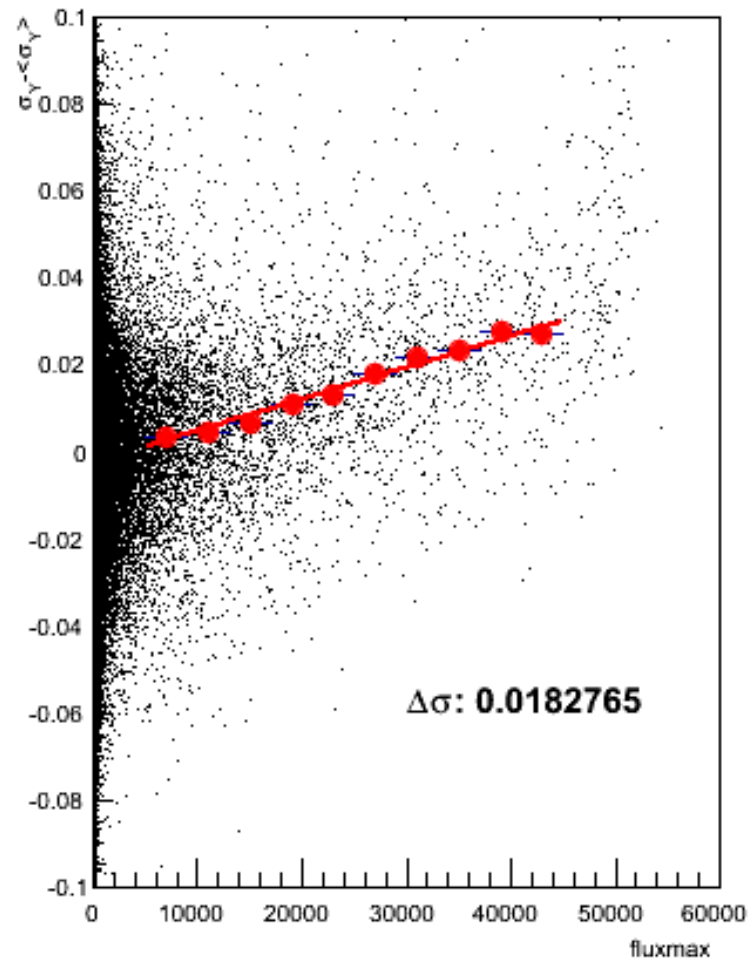
- Seems to be a "Feature" of thick CCDs
 - (re?) discovered on LSST candidate CCDs
(P. Astier, private communication)
- No physical model / explanation
 - Just conjectures (e- may trickle from pixel → neighboring pixels)
- Interesting to see whether present in DES ccds

Shape vs. flux (r-band)

σ_x vs. fluxmax

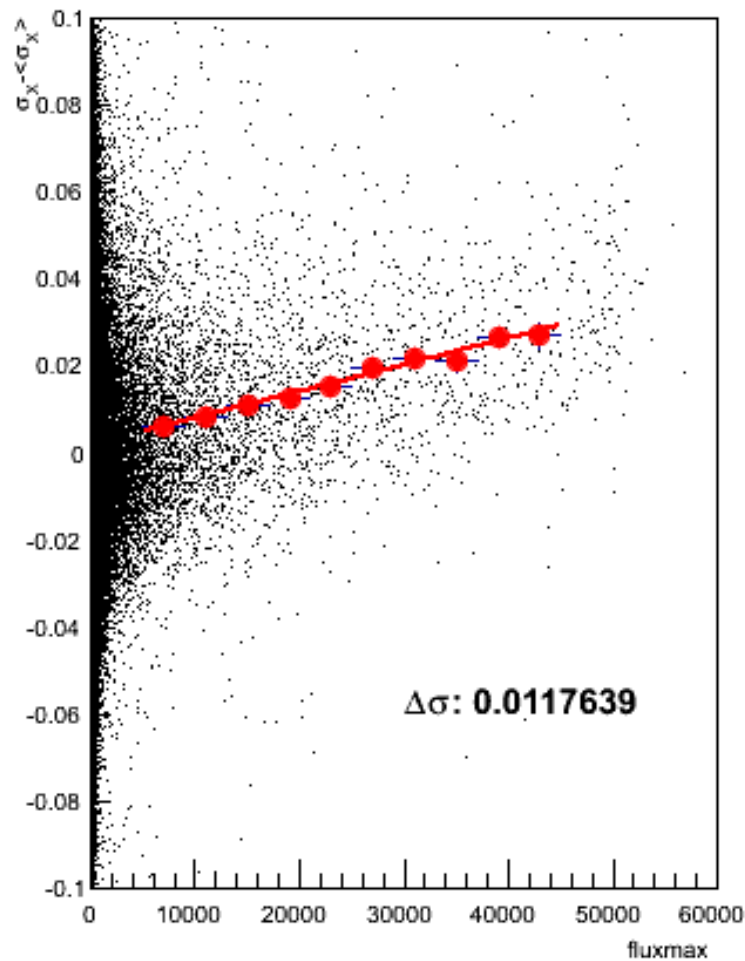


σ_y vs. fluxmax

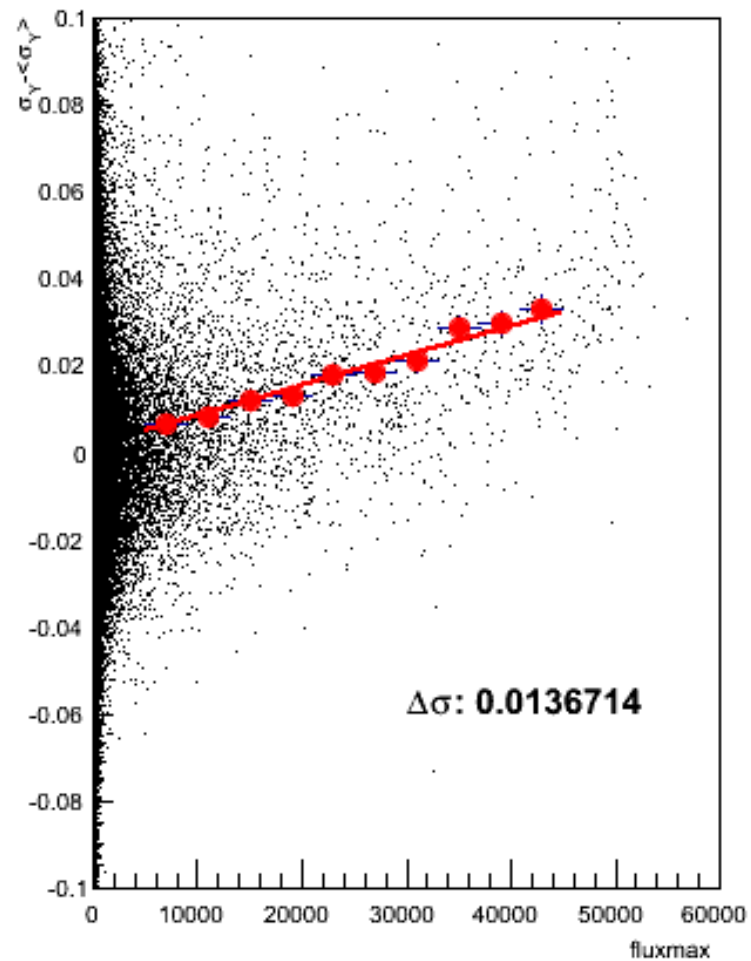


Shape vs. flux (i-band)

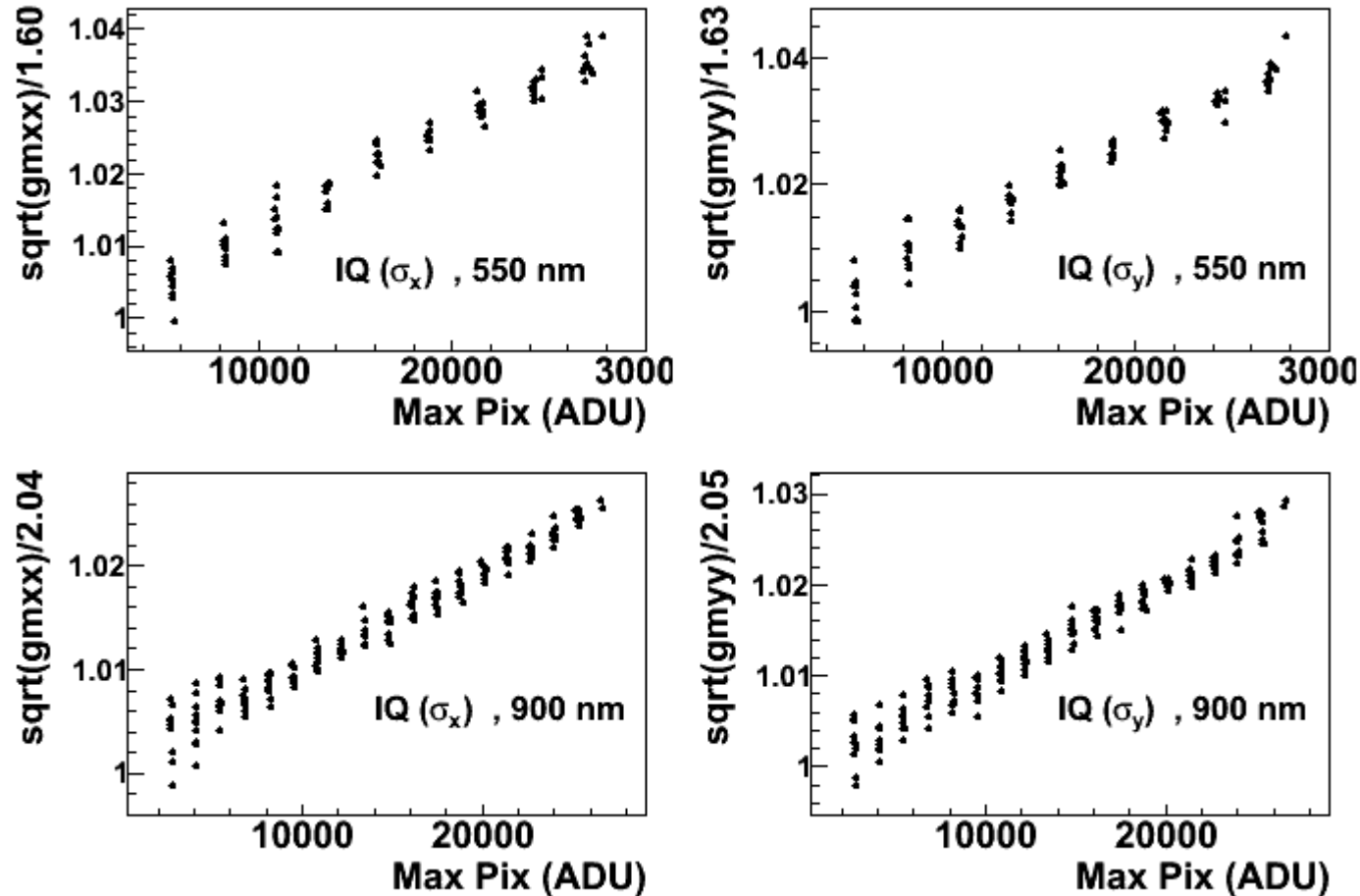
σ_x vs. fluxmax



σ_y vs. fluxmax



LSST candidate CCDs



- (Plot from Pierre Astier (Paris), measurement carried out by P. Doherty (Harvard))

Summary (for now)

